

DEPARTMENT OF ENVIRONMENTAL QUALITY

EMERGENCY DEBRIS WASTEPILE PERMITTING CRITERIA

This is an application for an emergency permit to dispose of waste generated as the result of natural or man-made disasters. The emergency permit request may be oral or written. If oral, it shall be followed within five days by a written emergency permit application. Oral responses can only be given if the applicant is fully aware of the siting requirements outlined in this application, otherwise a written request must be provided using this application. Mail or fax the written request to the Department.

*Emergency Permits are valid for 90 days from the time they are issued.
All associated waste activities must be inclusive in the 90-day period.*

INSTRUCTIONS:

Read all sections carefully. Fill in all of the information on DEQ Form EDWP-01 and all applicable information on DEQ Form EDWP-02. Public notice information required by the applicant is found on EDWP-03 and a certification signature is required on EDWP-04. Note that a site map, flood map, US Fish and Wildlife Service National Wetlands Inventory Map and a list of wastes to be received, and the manner and location of their treatment, storage and disposal must accompany this application. The site may either be selected prior to the emergency or immediately after the emergency. The Department encourages pre-selection. Follow the applicable guidelines below.

Pre-Selected Sites:

If the site is pre-selected, public participation must be held in accordance with the Virginia Solid Waste Management Regulations (**VSWMR**) § 9 VAC 20-81-410.B.4. Pre-selected sites, if approved, will be granted an emergency permit upon request at the time of the emergency. The applicant needs only to contact the Department, either orally or in writing, and provide public notice that a pre-selected site will be used for the present emergency. The notice shall include, as a minimum, the applicants name and contact information, the nature of the emergency, and the location of the site and owners name. Oral requests shall be followed with a written request within five days. A copy of the public notice per § 9 VAC 20-81-410.B.4 must accompany the written notification. DEQ Form EDWP-01 and DEQ Form EDWP-02 must be on file with the Department prior to the emergency for all pre-selected sites. The public notice form is found on form EDWP-03.

Post Emergency Sites

In the case of selecting a site immediately after an emergency, the Department may grant a temporary emergency permit through oral or written requests. The applicant may verbally relate the information requested on DEQ Form EDWP-01 and DEQ Form EDWP-02 but must provide written copies within five days or as soon as the infrastructure support will allow. In addition, a public notice as per § 9 VAC 20-81-410.B.4 shall be published, by the applicant, within five days of the request, or as soon as practicable, in order for the emergency permit to become effective. A copy of the advertisement shall be faxed to the Department once it is published. Disposal of waste may commence upon verbal approval but all waste activities must cease after 90 days.

EMERGENCY DEBRIS WASTEPILE PERMIT INFORMATION

DEQ Contact Information

| | |
|---|--|
| Department of Environmental Quality, [Region] Regional Office | |
| Address of Regional Office | Phone: (XXX) XXX-XXXX |
| City, State Zip Code | FAX: (XXX) XXX-XXXX |
| Attention: Solid Waste Permitting | Please call prior to faxing to inform staff |

If information is not known, use NA. Please type or print information.

SIGNATURE REQUIRED UNDER CERTIFICATION ON FORM DEQ EDWP-04 WHEN COMPLETED.

| | |
|---|----------------------|
| Expected or current emergency | |
| Authority or Agency | |
| Primary Contact's Name | |
| Address | |
| City, State, Zip | |
| Phone Number / Fax Number | |
| Email Address | |
| Secondary Contact's Name | |
| Address | |
| City, State, Zip | |
| Phone Number / Fax Number | |
| Email Address | |
| Site Location (address or directions from major roads and latitude/longitude coordinates) | Latitude: Longitude: |
| Site Name | |
| City, State, Zip | |
| Owner of Site | |
| Owner's Address | |
| City, State, Zip | |
| Phone Number / Fax Number | |
| Approximate size (acres) | |
| <u>List expected types of waste</u> See Attachment D for typical waste types. Additional sheets may be used | |
| <u>Typical treatment, storage and disposal options</u> Additional sheets may be used | |

EMERGENCY DEBRIS WASTEPILE SITING CRITERIA

Put a Y or N in the Yes / No columns as necessary. Additional information is provided as attachments A-F. Please read each criterion carefully. **Sign the certification on DEQ FORM EDWP-04.**

| | Siting Criteria | Yes | No |
|----|--|-----|----|
| 1 | Site Location Map Attached? | | |
| 2 | Site is not prone to base floods [100 year flood plain, coastal flooding] or inundation? | | |
| | <i>Copy of FEMA Map or Equivalent is attached?</i> | | |
| 3 | Site is geologically stable? (see Attachment A) | | |
| 4 | Site has adequate berm area and terrain to manage leachate release? | | |
| 5 | Distance from water/groundwater impacts: | | |
| | > 100 feet from any regularly flowing surface water body or river? | | |
| | > 200 feet from any well, spring, or other groundwater source of drinking water? | | |
| 6 | WETLANDS SHALL NOT BE IMPACTED. (see Attachment B) | | |
| | <i>Copy of US Fish and Wildlife Service National Wetlands Inventory Map is attached?</i> | | |
| 7 | Site characteristics | | |
| | Are slopes greater than 33%? | | |
| | Are there springs seeps or other groundwater intrusions? | | |
| | Are there gas, water, sewage, electrical or other transmission lines under the site? | | |
| | Is there an existing open dump, unpermitted landfill, lagoon, or similar facility on site? | | |
| | Are there any specific site conditions which may be considered for exemption (applies only to site characteristics) SPECIFY: | | |
| 8 | Are there strip mines, exposed bedrock or quarries present? (See Attachment C) | | |
| | If Yes, does the site have a liner as per Attachment C? | | |
| 9 | Can a fifty-foot firebreak around disposal areas and from all tree lines be maintained? | | |
| 10 | Is there an impact to cemeteries (public, private, pet) or culturally sensitive areas? | | |
| 11 | Is there ample access for delivery vehicles? | | |
| 12 | Is anticipated waste acceptable for disposal? (See Attachment D) | | |
| 13 | Can the waste be segregated for disposal? (See Attachment D) | | |
| 14 | Is the public notice form with required information attached? (See Attachment F. Form should be faxed with other required forms. May be verbal over phone, if necessary.) | | |
| 15 | For sites that were not pre-selected, was a public meeting held? | | |
| | Public Meeting Location: _____ Date: ____/____/____ (mm/dd/yyyy) | | |
| 16 | Can the site be closed in accordance with Department standards? (See Attachment E) | | |

Public Notice for Emergency Permits

| | |
|--|--|
| Type of media (e.g. newspaper or radio) | |
| Name of media (e.g. newspaper) | |
| Contact Name | |
| Phone Number | |
| Fax Number | |
| Date of publication | |

NEWSPAPER ADVERTISEMENT

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF WASTE PERMITTING
PUBLIC NOTICE FOR A
TEMPORARY EMERGENCY PERMIT
TO TREAT AND STORE SOLID WASTE
DUE TO _____,
(emergency)
FOR _____, VA
(city, town, county)

Due to the recent emergency from _____, and pursuant to the requirements of 9 VAC 20-81-410.B.4 of the Virginia Solid Waste Management Regulations (VSWMR), Permitting of Solid Waste Management Facilities, The Virginia Department of Environmental Quality (DEQ)(*Regional Office Address & ZIP*), hereby authorizes _____ to operate a temporary emergency debris site located at _____. The site will receive the following solid wastes:_____. Typical treatment, storage, and disposal options will include:_____.

The site meets the minimum siting requirements deemed necessary for environmental protection and public safety. Groundwater monitoring is not required but leachate management and run-off control are required. The permit will expire 90 days from the date of verbal or written authorization given on _____. Closure shall include the removal of wastes, waste constituents, and all temporary features used in support of the waste activities associated with deposit, environmental protection, maintenance, and operation. Final closure should return the site to as near as natural condition as possible prior to the disposal of waste. If there are any questions or concerns regarding the issuance of the temporary emergency permit, please contact the DEQ at (XXX) XXX-XXXX or at the above address.

ALL APPLICATIONS MUST BE SIGNED.

CERTIFICATION:

I hereby affirm that the information provided on this application is accurate and complete to the best of my knowledge. I fully understand the requirements of the siting criteria and that an emergency permit is valid for 90 days from the time of issuance. All activities must be inclusive in the 90-day period. Failure to provide accurate and complete information or follow the requirements and conditions of this application may result in permit denial or revocation. I have enclosed a copy of the advertisement that was published in the local newspaper.

Signed _____

Date _____
(Type or Print dd/mm/yyyy)

Title or Authority by _____
(Type or Print)

The following items must be returned to the Department:

- _____ Contact Information (EDWP-01)
- _____ Siting Checklist (EDWP-02)
- _____ Copy of Advertised Public Notice
- _____ Certification (EDWP-04)

ATTACHMENT A: GEOLOGY

Emergency debris (ED) wastepiles shall not be sited in geologically unstable areas where inadequate foundation support for the structural components of the wastepile exists. Factors to be considered when determining unstable areas shall include:

- a. Soil conditions that may result in differential settling and subsequent failure of containment berms;

EXAMPLES

| | | | |
|--|------------------------|--------------------------------------|------|
| highly compressible clays, | liquefiable soil | expansive soils | peat |
| collapsible soils | frost-susceptible soil | soils susceptible to hydrocompaction | |
| other conditions not explicitly listed | | | |

- b. Geologic or geomorphologic features that may result in sudden or non-sudden events and subsequent failure of containment berms;

EXAMPLES

| | | | |
|---|--------------------------|----------------------------|--------------------------|
| Landslide prone areas | Abandoned river channels | highly erosion-prone areas | over sole source aquifer |
| other conditions not explicitly listed | | highly karstic areas | groundwater seeps |
| structural discontinuities such as extreme folding, faulting, fracturing and jointing | | | |

- c. Man-made features or events (both surface and subsurface) that may result in sudden or non-sudden events and subsequent failure of containment berms;

EXAMPLES

| | | | |
|--|-----------------------|----------------|-----------------|
| Emergency routes | unpermitted landfills | sludge lagoons | unsuitable fill |
| adjacent to highly explosive products such as chemical, petroleum or fertilizer storage bins | | | |
| downstream of weakened or damaged dams or other water retention structures | | | |
| over underground excavations such as storage tanks, sewer and traffic tunnels, mine shafts | | | |
| other conditions not explicitly listed | | | |

- d. Presence of sink holes within the disposal area.

ATTACHMENT B: WETLANDS

Wetlands shall be avoided at all times. Existing wetland delineation maps prepared by the US Fish and Wildlife Service shall be used to determine prohibited areas. *Attach an applicable Wetlands Inventory Map with this application.* Wetlands that are encountered on the site yet are not covered by the map shall not be used unless the U.S. Army Corps of Engineers provides an approval letter and it is attached to this application.

ATTACHMENT C : STRIP MINES, EXPOSED BEDROCK AND QUARRIES

In strip mine pits, all coal seams and coal outcrops shall be isolated from solid waste materials by a minimum of five feet of natural or compacted soils with a hydraulic conductivity less 1×10^{-7} cm/sec. Exposed bedrock and quarry faces shall also be lined with five feet of natural or compacted soil with a hydraulic conductivity $\leq 1 \times 10^{-7}$ cm/sec.

ATTACHMENT D: WASTE

Acceptable Waste

Demolition waste, construction waste, debris waste, land clearing debris, discarded tires, and white goods, free of chloroflourocarbons and PCBs. No other wastes are authorized for the ED wastepile. Liquid waste, sludge waste, radioactive waste, friable asbestos, medical waste and other similar waste shall be prohibited.

Hazardous waste shall be prohibited from the emergency wastepile except when a separate, distinct area can be lined with concrete, collection berms and ditches are erected, and containment booms, in conjunction with other containment strategies, are used.

Segregation

1. The limits of the wastepile shall be large enough to allow segregation of waste with 50-foot firebreak between each segregated area and any adjacent wastepiles or treelines.
2. Each segregated area shall be large enough to accommodate expected volume of waste type.
3. The following wastes require separate storage areas within the limits of the emergency wastepile.
 - A. Yard Waste and Woody Products such as trees, stumps, untreated wood and timber, paper products, and untreated wooden household furnishings.
 - B. Treated and Painted Wood Products
 - C. White Goods
 - D. Tires
 - E. Concrete, Asphalt and Building Material (friable asbestos is prohibited)
 - F. Hazardous Waste (if allowed)

ATTACHMENT E: CLOSURE

Closure shall include the removal of wastes, waste constituents and all temporary features used in support of the waste activities associated with deposit, environmental protection, maintenance and operation. Final closure should return the site to as near as natural condition as possible prior to the disposal of waste.

ATTACHMENT F: PUBLIC NOTICE

VSWMR 9 VAC 20-81-410.B.4 requires a public notice to be accompanied with the written permit. The **Applicant** will fill out DEQ FORM EDWP-03 and fax that to a newspaper in the largest circulation for that municipality. The generic form contains the required information. The form is self-explanatory and may be filled in by hand. PRINT, do not use cursive. It must be legible. A copy of the advertisement from the newspaper must be submitted to the Department within 24 hours after submitting the contact information and siting checklist. Once the Department receives the required permit application and a copy of the advertisement from the applicant the permit will be signed and issued. The actual publication date of the advertisement should be the soonest date possible depending on the soonest newspaper publication date.